

APPLICANT(S): BRONSTEIN, Rafael
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AMENDMENTS TO THE CLAIMS

Please add or amend the claims to read as follows, and cancel without prejudice or disclaimer to resubmission in a divisional or continuation application claims indicated as cancelled:

The listing of the claims will replace all prior versions, and listing, of claims in the application.

Listing of the Claims

1. (Currently Amended) A method comprising:
ejecting droplets of ink onto a first section of a substrate to form a first portion of an image; and
directing onto said first section ~~portion~~ an a predetermined amount of radiation energy based on image content of said first portion,
ejecting droplets of ink onto a second section of said substrate to form
a second portion of said image; and
directing onto said second section another predetermined amount of
radiation energy based on image content of said second portion.
2. (Currently Amended) The method of claim 1, wherein said image content ~~amount of radiation energy~~ is the number of said droplets of ink based on the ~~color of said ink.~~
3. (Currently Amended) The method of claim 1, wherein directing ~~onto said~~ ~~portion~~ said radiation energy comprises directing infrared radiation energy.
4. (Currently Amended) The method of claim 1, wherein directing ~~onto said~~ ~~portion~~ said radiation energy comprises directing blue light radiation energy.
5. (Currently Amended) The method of claim 1, wherein directing ~~onto said~~ ~~portion~~ said radiation energy comprises directing ultraviolet radiation energy.
6. (Currently Amended) The method of claim 1, wherein directing ~~onto said~~ ~~portion~~ said radiation energy comprises directing microwave radiation energy.
7. (Currently Amended) The method of claim 1, ~~comprising:~~



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~~controlling a radiation unit to provide wherein directing~~ said radiation energy comprises directing said radiation energy only to printed portions of said image.

8. (Currently Amended) A The method of claim 1 comprising:

~~depositing droplets of ink onto a substrate to form a row of pixels comprising deposited droplets and blank spots;~~

scanning with a scanning laser beam an area of said substrate defining a said row of pixels, said row including deposited droplets and blank spots; and

activating said laser beam only when said beam is directed onto one of said deposited droplets.

9. (Original) The method of claim 8 comprising:

deactivating said laser beam when said beam is directed onto one of said blank spots.

10. (Currently Amended) A The method of claim 1, wherein comprising:

~~ejecting droplets of ink onto a substrate to form a portion of an image;~~
and

~~directing onto said portion an amount of radiation energy, said amount is based on~~ said image content is the color of said droplets of ink.

11. (Cancelled)

12. (Currently Amended) An apparatus comprising:

an ink jet print head to eject droplets of ink onto a substrate to form a portion of an image; and

a radiation unit to irradiate onto said portion an amount of radiation energy, said amount is based on image content of said portion ~~the number of said droplets of ink.~~

13. (Original) The apparatus of claim 12, wherein said radiation unit is capable of moving with said print head

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14. (Original) The apparatus of claim 12, wherein said radiation unit is coupled to optical fibers.
15. (Original) The apparatus of claim 12 further comprising:
a controller to control said print head and said radiation unit.
16. (Original) The apparatus of claim 15, wherein said controller is to control said radiation unit to provide said radiation energy only to printed portions of said image.
17. (Original) The apparatus of claim 12, wherein said radiation unit is an infrared laser diode.
18. (Original) The apparatus of claim 12, wherein said radiation unit is an assembly of small-size ultraviolet lamps.
19. (Original) The apparatus of claim 12, wherein said radiation unit is a laser scanner.
20. (Original) The apparatus of claim 12 further comprising:
a scanning mirror to direct a laser beam onto said substrate along a row of pixels comprising deposited droplets of ink and blank spots.
21. – 24. (Cancelled)